

AOPico Montauk Series

Industrial deep UV picosecond laser

- Industry-leading harmonic generation
- Applied in chip inspection etc
- Reliable power stability (<3%)
- Industrial DUV picosecond laser
- Excellent beam quality
- Long term stability and reliability



► Features & Benefits:

This is a water-cooled deep UV picosecond laser with output wavelength of 266 nm. With the industrial-leading harmonic generation technology and engineering design, it has high conversion efficiency, excellent long-term stability and long lifetime. The water-cooled design allows the laser to work reliably in various harsh and extreme environments and makes the laser to be the ideal candidate for the 7x24 non-stop production needs.

The output power is 3W with repetition rate of 200 k and 70 MHz available for selection. With the wide range of repetition rate, excellent beam quality ($M^2 < 1.2$) and beam roundness (> 90%), it is the perfect candidate for various application areas, including peeling-off GaN from Sapphire, non-carbonized cold processing, glass grain lifting-off, chip inspection and so on.



Wafer marking



Sapphire GaN lift off

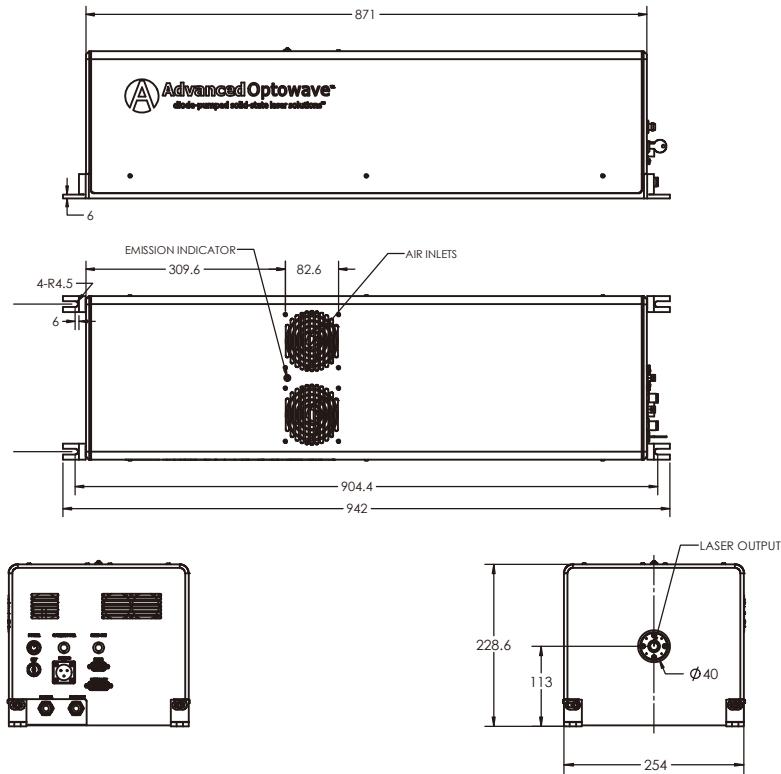


mini/micro led lift off

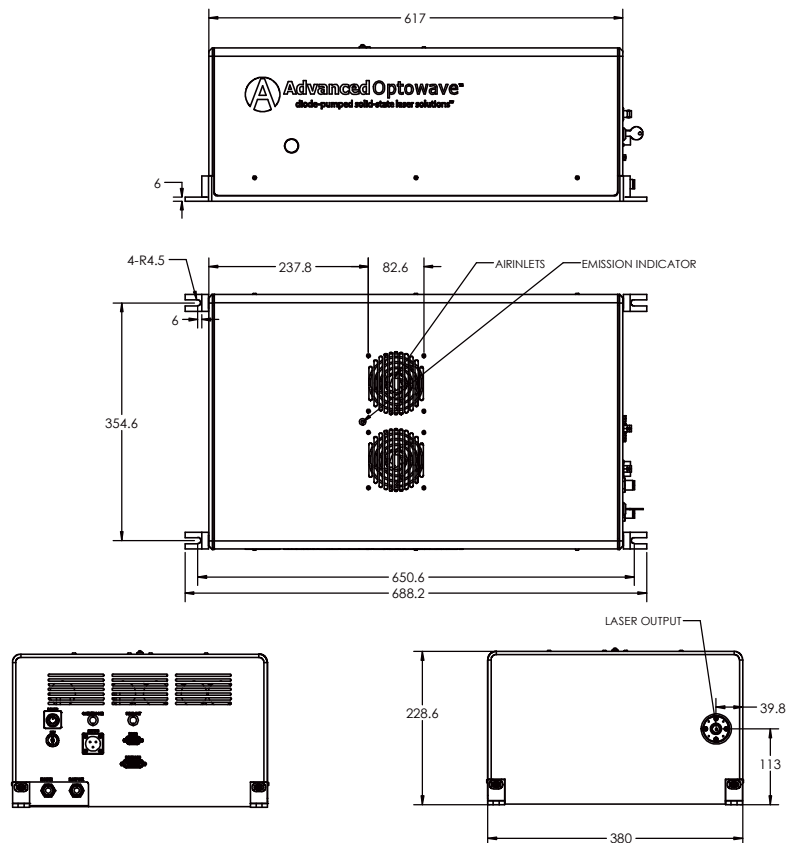
AOPico Montauk 266		
Specification	3W - 200K	3W - 70M
Wavelength (nm)	266	266
Average Power (Watts)	>3W	>3W
Energy (μJ)	>15@200KHz	>0.043@70MHz
Specified Repetition Rate(kHz)	200kHz	70MHz
Repetition Rate (kHz)	100-200	70MHz
Pulse Width (ps)	<12	<50
Beam Quality (M ²)	<1.5	
Beam Roundness (%)	>90	
Beam Diameter (mm)	~2±20%	
Beam Divergence (mRad)	<1	
Point Stability (μrad/°C)	< 20	
Polarization Ratio	100:1 Linear,Horizontal	
Pulse-to-Pulse Stability (% RMS)	< 3	
Average Power Stability(% over12 hours)	< 5	
Cold Start Warm-Up (mins.)	< 40	
Standby Warm-Up (mins.)	< 10	
Operational Temperature Range (°C)	5-40°C	
Operation Humidity Range (%)	20 to 80,non-condensing	
Storage Temperature Range (°C)	- 20 to 50	
Storage Humidity Range (%)	20 to 80,non-condensing	
Input Voltage (VDC)/Rated Power(W)	24 / 600	
Communication	RS232	
Cooling	Water	
Laser head (kg)	55	

AOPico Montauk SERIES

AOPico Montauk Laser Size



AOPico Montauk-266-3W-200K



AOPico Montauk-266-3W-70M